

7. (Withdrawn)
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21. (New) A method of cleaning a gas well comprising the steps of:
injecting into a well an aprotic solvent; and,
forming an aprotic solvent solute resulting in part from the reaction of the aprotic solvent reacting with solids located in the well.
22. (New) The method of claim 21 further comprising removing a substantial portion of said solvent solute from the well.
23. (New) The method of claim 21 further comprising the steps of:
injecting into the well a protic solvent; and,
forming a protic solvent solute resulting in part from the reaction of the protic solvent reacting with solids located in the well.
24. (New) The method of claim 23 further comprising removing a substantial portion of said solvent solute from the well.
25. (New) The method of claim 21 wherein the aprotic solvent is chosen from the group consisting of ethers, ketones and halogenated hydrocarbons.
26. (New) The method of claim 21 wherein the aprotic solvent is chosen from the group consisting of dimethyl sulfoxide, acetone, dimethyl formamide, tetrahydrofuran and methylene chloride.
27. (New) The method of claim 23 wherein the protic solvent is chosen from the group consisting of water, ammonia, hydroxide, caustic soda and sodium hydroxide.
28. (New) The method of claim 21 further comprising determining the solvating capacity of the aprotic solvent solute.
29. (New) The method of claim 23 further comprising determining the solvating capacity of the protic solvent solute.